

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ERIK HENNUM

Art Unit : 2173

Serial No.: 09/728,073

Filed Title

: December 4, 2000

: WEB-BASED INSTRUCTION

Examiner: Unknown

Attention: Official Draftsman

Commissioner for Patents Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Please substitute the enclosed 59 sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Reg. No. 45,653

Fish & Richardson P.C. 601 Thirteenth Street, NW

Washington, DC 20005

Telephone: (202) 783-5070 Facsimile: (202) 783-2331

40069408.doc

- 3

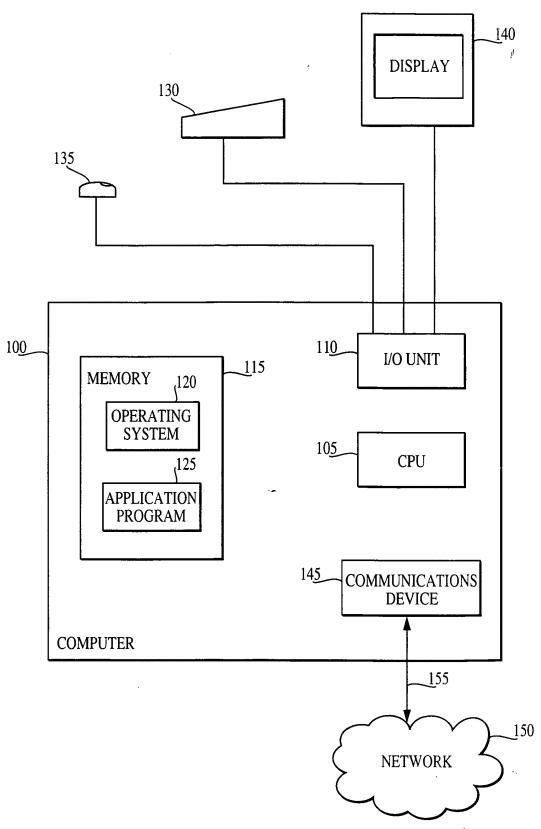


FIG. 1

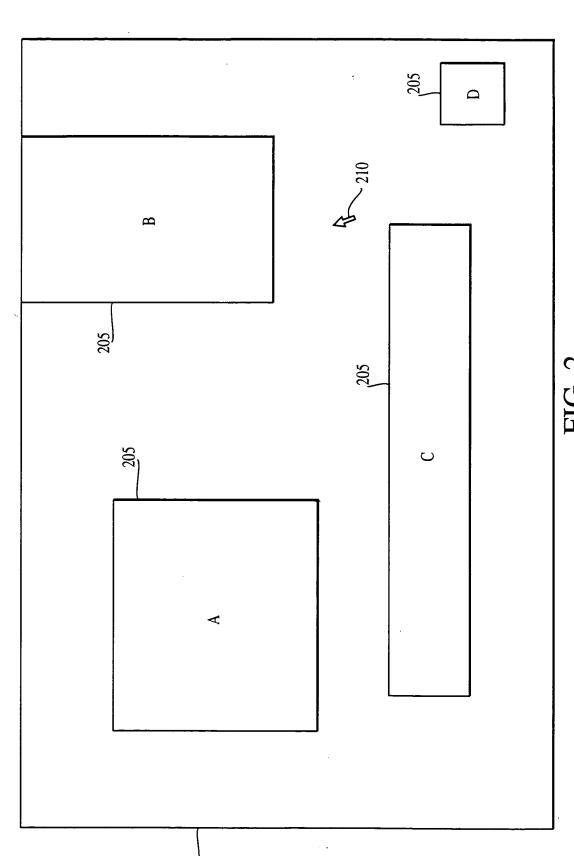


FIG. 2 PRIOR ART

أخمه

 Word Help File Edit Bookmark Options Search Back Print Index Contents Word Help Contents To learn how to use Help, press F1. Using Word Step-by-step instructions to help you complete your tasks **Examples and Demos** Visual examples and demonstrations to help you learn Word Reference Information -305Answers to common questions; tips; and guides to terminology, commands, and the keyboard 310 Programming with Microsoft Word Complete reference information about the WordBasic macro language **Technical Support** Available support options so that you can get the most from your Microsoft product

FIG. 3A PRIOR ART

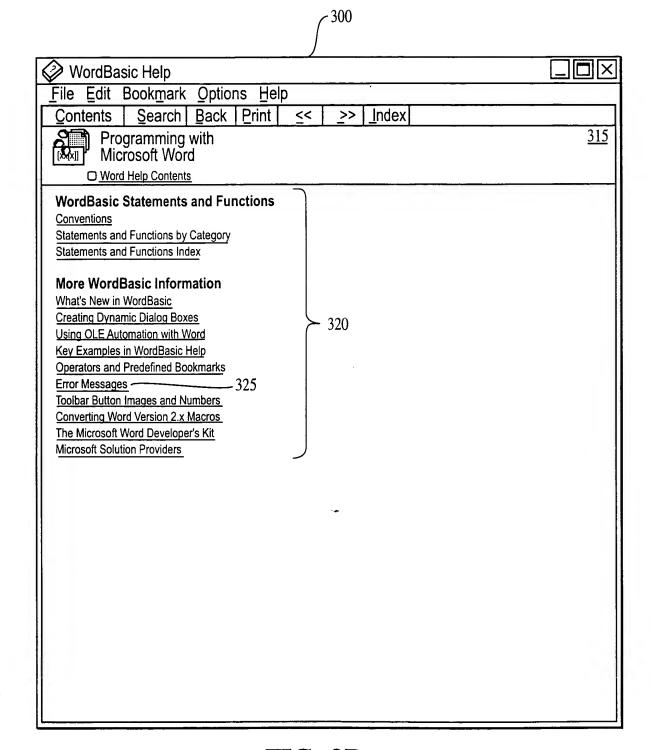


FIG. 3B PRIOR ART

では、別れるがいりとはいこれである。

- 300

	<u> </u>
	sic Help
File Edit	Bookmark Options Help
Contents	Search Back Print << >> Index
=	220
Error mess	sages <u>330</u>
error messag includes num	n a macro and an error occurs, you can get more information by pressing F1 or choosing the Help button in the e box. The following lists, the first for WordBasic error messages and the second for Word error messages, bers you can use when trapping errors. For more information on error trapping, see On Error statement.
	Error Messages
Error#	Message
5	Illegal function call
6	Overflow
7	Out of memory
9	Subscript out of range
11	Division by zero
14	Out of string space
22	Invalid array dimension 335
24	Bad parameter
25	Out of memory (stack space)
26	Dialog needs End Dialog or a push button
28	Directory already exists
39	CASE ELSE expected
51	Internal error
52	Bad file name or number
53	File not found
54	Bad file mode
55	File already open
57	Device I/O error
62	Input past end of file
64	Bad file name
67	Too many files
74	Rename across disks
75	Path/File access error
76	Path not found
100	Syntax error_

FIG. 3C PRIOR ART

File Edit Bookmark	Options Help
Contents Search	Back Print Index
WordBasic error 25	
Out of memory (sta	ck space)
There is not enough memory	o perform the operation. See <u>Freeing up memor</u> y.
·	340
	? How to
	Close Print Index On Top
	Freeing up memory
	Use as many of the following procedures as practical to free up memory. After each step below, try again to complete the task.
	To free up memory Do one or more of the following: • From the File menu, choose Save All. • Quit any other applications you are running. • Close all windows and panes except for the active window.
	If you Rull View The Hid Hid • Quit vvoru; and uner restarch. Active window Active window The window in which you are working. The active window contains the insertion point or a selection of text or graphics. The title bar in the active window is highlighted.
	Quit all open applications, and then restart the computer. If applicable, disconnect network connections, and quit terminate-and-stay-resident applications (TSRs) and any other utilities you usually run.
1	11

FIG. 3D PRIOR ART

| 「東京の情報が別い物に無言には、

흲 · If background printing is turned on, double-click the printer printing is turned on, the printer icon may not appear on the status bar long enough for you to click it to cancel printing. Note If you're printing a short document and background <u>P</u> If background printing is turned off, click Cancel Help Iopics | Back | Options icon Gon the status bar. WPH Cancel printing 2 Microsoft Word OVR 100% 字 Tip of the Day: To create a numbered or bulleted list, click the Numbering or Bullets button. EXT 山内菖檀 MRK Heb X P Click a book, and then click Open. Or click another tab, such as Index. © Printing Your Work

② Print a document '
② Print a document '
② Print anore than one copy at a time
③ Print several files at once
③ Print a master document
③ Print back to front
② Print back to front
② Print back to front
② Print a draft of a document
② Print a draft of a document
② Turn background printing on or off
② Turn background printing on or off
② Use different paper for a section of a document
③ Use different paper for a section of a document Cancel REC Window Print **Answer Wizard** <u>응</u> Tools Table Display 1 Create a print file Find Edit View Insert Format Help Topics: Microsoft Word Times New Roman Index W Microsoft Word - Document ¥ Contents **国** Sec 1 回① Eile Page 1 Normal

EB-BASED INSTRUCTION IK HENNUM

ບ*9*/728,073

FIG. 4 PRIOR ART

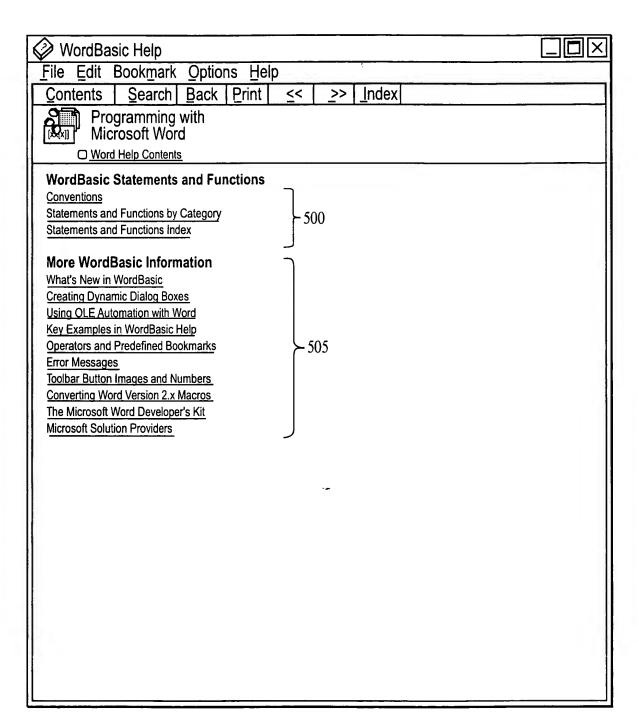


FIG. 5A PRIOR ART

THE STATE OF THE S	2
H	1
75.	-
	Ì
TA THE	į
ALC:	
100	:
10 8	ť
1	ř
	7
馬馬	9
17	1
TO U	1
	" Charle treasts "like",
CULT	" Charle treasts "like",
	" Charle treasts "like",
CULT	" court, trees, trees, trees, trees,

WordBasic Help Wor	
File Edit Bookmark Option	ons Help
Contents Search Back	Print << >> Index
AddAddIn, AddAddIn()	
O <u>Example</u>	
ا المحالية المحالية المحالة المحالة	
AddAddin Addin\$ [, Load] AddAddin(Addin\$ [, Load])	
,	plate or Word add-in library (WLL) to the list of global templates and add-ins in the
Templates And Add-ins dialog box (Ter	
Argument	Explanantion
Addin\$	The path and filename of the template or WLL
Load	Specifies whether to load the template or add-in after adding it to the list:
	0 (zero) Does not load the template or add-in
	1 or omitted Loads the template or add-in
	same as the statement and also returns a value corresponding to the position of the ere 1 is the first template or add-in, 2 is the second, and so on. This value may be used
with other add-in statements and function	
	ed WLL in a macro. Functions that take no arguments may be used just like the names of these functions using CountMacros() and MacroNames\$(). Functions
-	e declared using the Declare statement.
	templates and add-ins, see Chapter 31, "Customizing and Optimizing Word," in the
	information on using functions in WLLs, see Chapter 9, "More WordBasic
Techniques," in the Microsoft Word Dev	eiopers NI.
See Also	stamente and Europiana
<u>Documents, Templates, and Addins Sta</u> AddinState()	atements and runctions
ClearAddIns	
CountAddins()	
CountMacros()	
<u>DeleteAddIn</u>	
GetAddInID() GetAddInName\$()	
MacroName\$()	·

FIG. 5B PRIOR ART

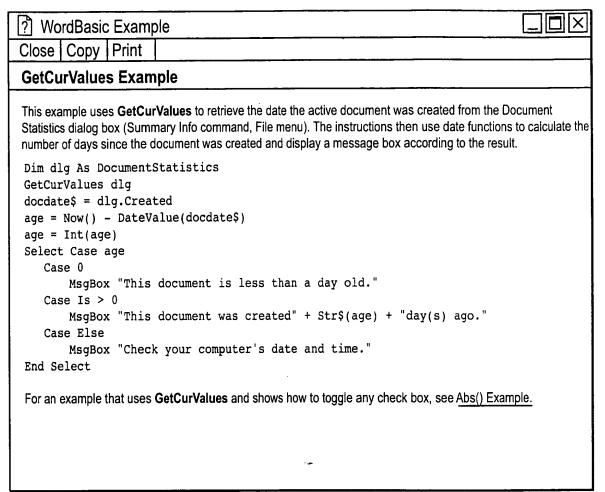
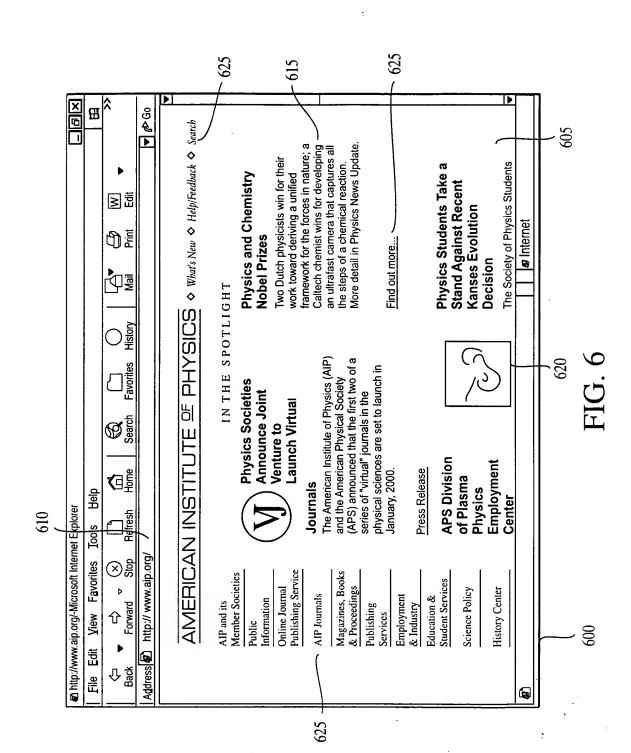
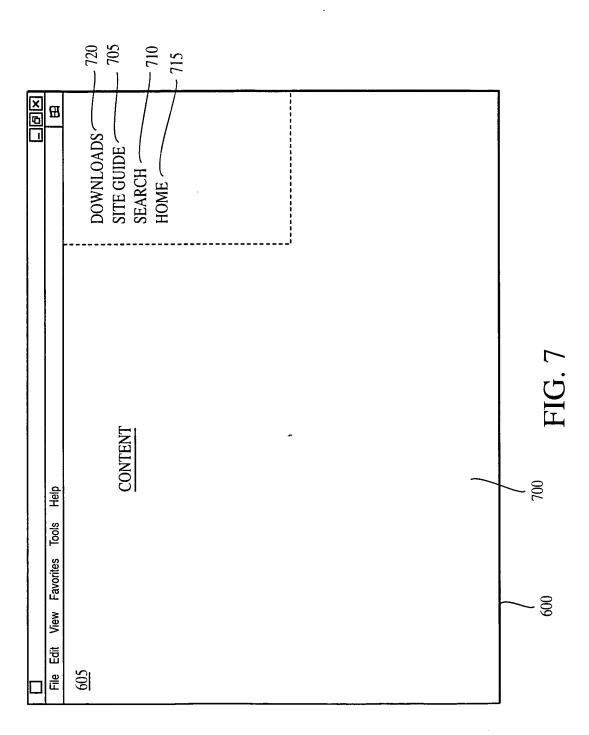


FIG. 5C PRIOR ART





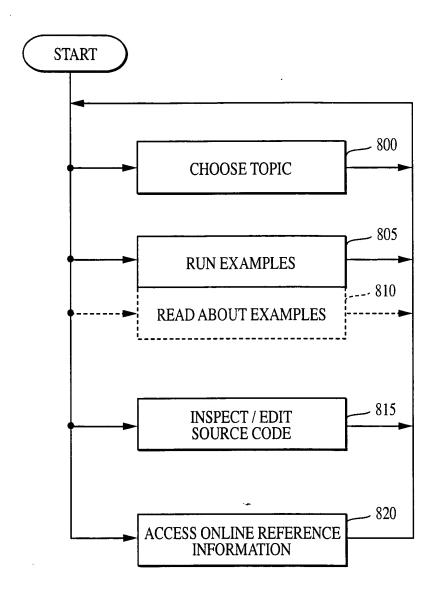


FIG. 8

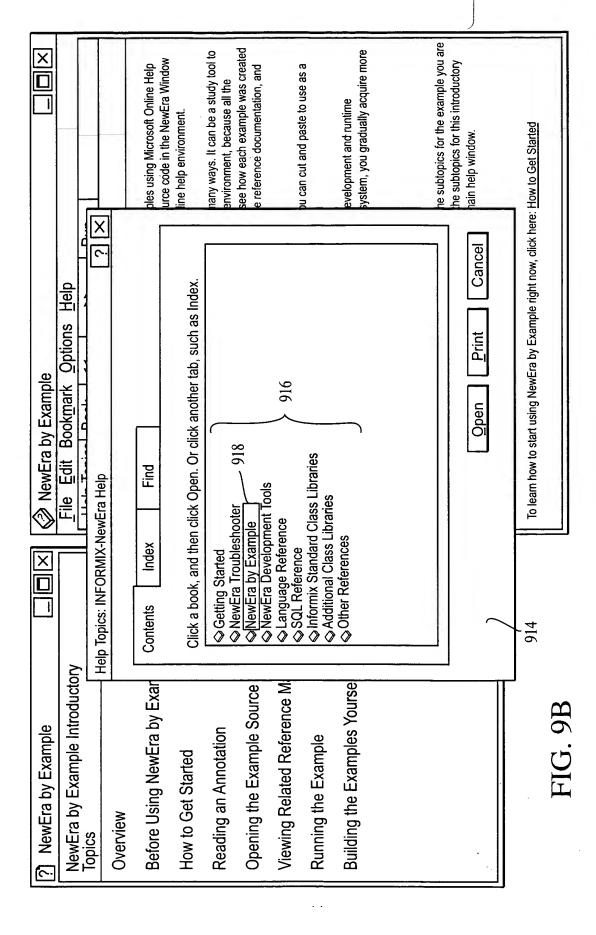
In the NewEra by Example help system, the list window shows all of the subtopics for the example you are examples are integrated with the development environment, you can see how each example was created environments. As you navigate around the NewEra by Example help system, you gradually acquire more NewEra by Example can be useful to you, the NewEra developer, in many ways. It can be a study tool to NewEra by Example documents over 40 NewEra programming examples using Microsoft Online Help and the NewEra 3.0 tools. You can read about examples, see their source code in the NewEra Window currently examining. The list window you see at your left shows all of the subtopics for this introductory article. Click on any subtopic in the list window to open it here in the main help window. in the Window Painter, study the code in the Language Editor, read the reference documentation, and NewEra by Example can also provide you with sample code, which you can cut and paste to use as a help you learn the NewEra programming language and development environment, because all the Finally, you can use NewEra by Example to "play with" the NewEra development and runtime Painter and Language Editor, and run them, all without leaving the online help environment. Run 806 904 template for beginning your own NewEra applications. File Edit Bookmark/Options Help and more familiarity with the NewEra landscape. 916 910 Introducing NewEra by Example Getting Around NewEra by Example ¥ NewEral by Example/ study the example at runtime. Help Topics Back Getting Started 8 Viewing Related Reference Material Opening the Example Source Files Before Using NewEra by Example NewEra by Example Introductory **Building the Examples Yourself** NewEra by Example Reading an Annotation Running the Example How to Get Started Overview Topics

906

902

FIG. 9A

To learn how to start using NewEra by Example right now, click here: How to Get Started



09/128,073

B-BASED INSTRUCTION

HENNUM

the subtopics for the example you are see how each example was created system, you gradually acquire more many ways. It can be a study tool to X ource code in the NewEra Window the subtopics for this introductory nples using Microsoft Online Help the reference documentation, and you can cut and paste to use as a environment, because all the development and runtime nline help environment. main help window. Click a book, and then click Open. Or click another tab, such as Index 922 Heb 920 File Edit Bookmark Options NewEra by Example Help Topics: INFORMIX-NewEra Help Find NewEra Troubleshooter
 NewEra by Example Index Getting Started Contents NewEra by Example Introductory Topics Building the Examples Yourse Before Using NewEra by Exar Opening the Example Source Viewing Related Reference M [기 NewEra by Example Reading an Annotation Running the Example How to Get Started Overview

914

How to Get Started

Cancel

Print

Display

904	♦ NewEra by Example	C Options He	Delp reprise Back St. Zt. Run Overview of the BUTTONS2 example	This example illustrates how to enhance the data-mode actions provided by the standard SuperTable	with some special code to refine the user interface. It builds upon the functionality found in the Default Buttons example		Features Introduced:		Disabling a button to prevent errors.	от от редистемента установания от технология в технология в технология в технология в технология в технология в	Orientality the data set) This information serves the same purpose as the line and column numbers.	query (une data ser). This information serves are saint purpose as are into and committee and displaying displaying the part editors.	חואלים לכן הא נכיו בתונתו אי	Clearing the data set when the user finishes with a query.		Source File Summary			Dutton2m.4gl	The hardway wife		
																			-856		096	_
006	NewEra by Example	Features of the Button2 Example	Overview of the Buttons2 Example	Graphical Object Summary	Event Handler Summary	Important Event Handlers	■ exampleWin :: start()	■ queryBT :: activate()	➡ findBT :: activate() — 930	□ nextBT :: activate()	☐ previousBT :: activate()		deleteBT :: activate() \$928	■ applyBT :: activate()	GearBT :: activate()	E exitBT :: activate()	■ entryWIN :: pre-header extension	entryWIN :: class extension entryWIN :: class extension	☐ entryWIN :: pre-body extension	Enhancements and Variations		

FIG. 9D

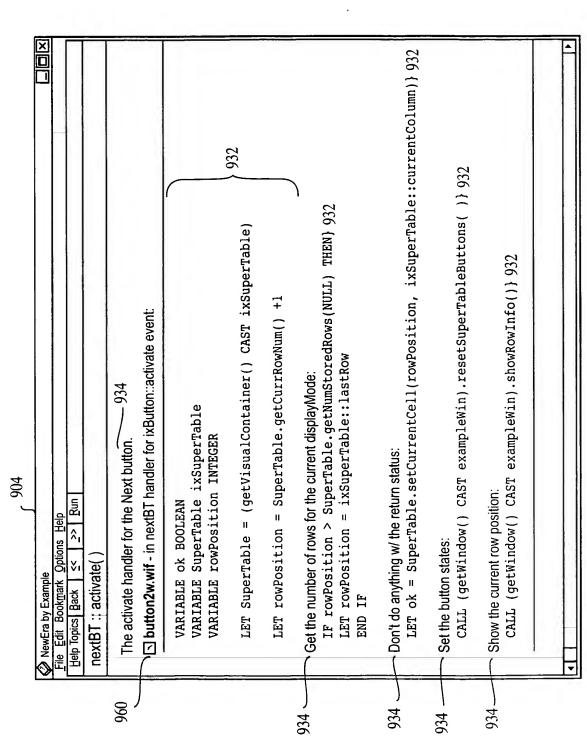


FIG. 9E

í.j.

	904
[NewEra by Example
ŀ	File Edit Bookmark Options Help
	Help Topics Back ≤< ≥> Run
	The MAIN() FUNCTION
958-	button2m.4gl:
	MAIN
944	VARIABLE exampleWindow exampleWin
	CALL ixSQLConnect::get ImplicitConnection() .connect("Sports") Let exampleWindow = NEW exampleWin()
942	CALL exampleWindow.open()
	RETURN
	END MAIN
	•

FIG. 9F

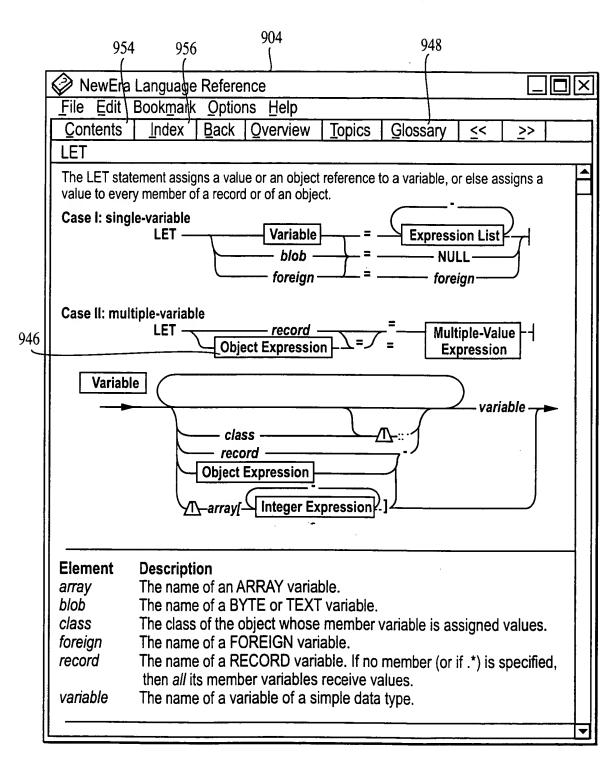


FIG. 9G

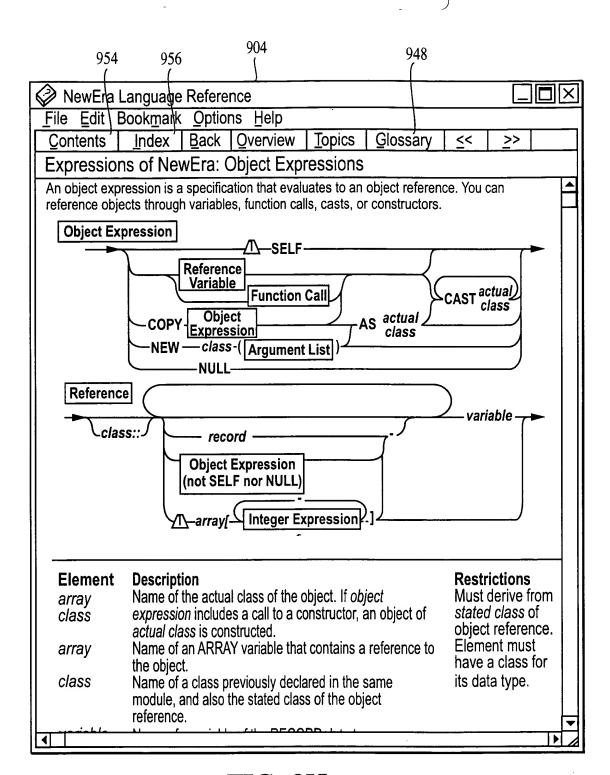


FIG. 9H

にはいる。

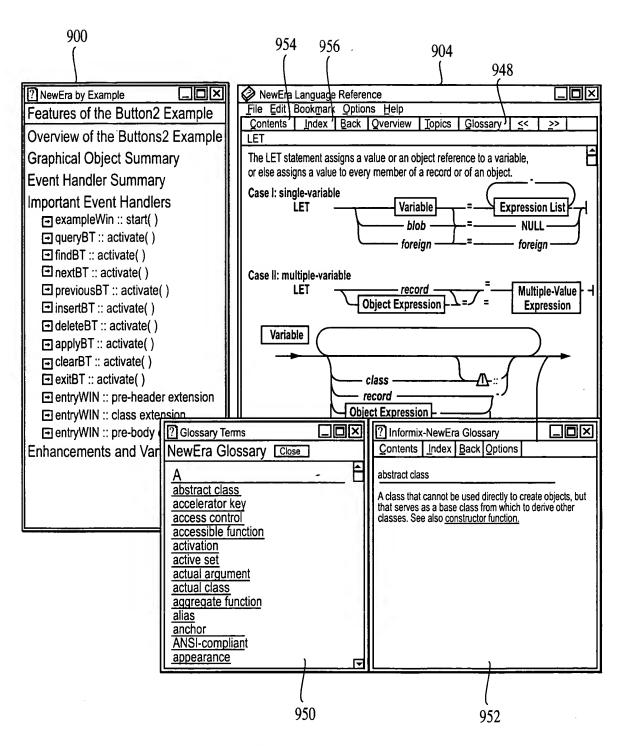


FIG. 9I

	<u></u>
File Edit Search Project Text Document Jools Window Help	ı
☐ C:\NewEra3.0\examples\ buttons2\button2m.4gl	
INCLUDE "annotate.4gh" INCLUDE SYSTEM "ixconn.4gh" INCLUDE "button2w.4gh"	
MAIN VARIABLE exampleWindow exampleWin	
CALL nebyex::annotate CALL ixSQLConnect::getImplicitConnection<>.connect<"Sports"> LET exampleWindow = NEW exampleWin<>	
CALL examplewindow.open>/	
END MAIN	
	_
NewEra by Example Ins Line: 5 Col: 1	ן ר

FIG. 91

(本) 情 (本

FIG. 9K

		111			you to a from a feet box								-		unction of					
7 904 962	NewEra by Example	File Edit Bookmark Options Help	Help Topics Back << >> Run'	Overveiw of Edit Menu	This example provides a standard Edit menu to cut convinaste and delete text from a text box	Features Introduced	• Occapions manufactured in the contraction of the	 Creaming merits and merits. Executing code when the user chooses a menu item. 	 Executing built-in clipboard functions. Finding the current control in an application. 	Specifying an accelerator key for a menu item.	 Executing code when the user enters a control. Enabling and disabling menu items. 	Source File Cumment	Source rile Suffillially	Seditm.4gl	initializes the application by creating the editivity window. The MAIN () function of the application is in this file.	Seditw.wif Provides a window with an edit menu and some demonstration text boxes:				
006	③ NewEra by Example □□⊠ (Features of the Edit Menu Example	Olympia of the Edit Mean Company		The MAIN () function	Graphical Object Summary	Event Handler Summary	Important Event Handlers	edit18::focusin()	€ edit2TB :: focusin ()	= noneditCB :: focusin () F= exitMl :: activate ()	■ cutMl :: activate ()	CopyMI :: activate ()	pasteM :: activate () deleteM! ::activate ()	Extension Summery	Important Extensions	editWin :: class extension elitaria	editWin :: preheader extension editWin :: nrehandry extension	Commit : process oversion	

FIG. 9L

006	0	> 904
[7] NewEra by Example	× □	NewEra by Example
clamor June Alika Catalogue		File Edit Bookmark Options Help
realures of the Edit Menu Example		Help Topics Back << >> Run
Overveiw of the Edit Menu Example		The MAIN () Function
The MAIN () function		Sedit.4gl
Graphical Object Summary		MAIN VARIABLE
Event Handler Summary		editWN editWin LET editWN = NEW editWin() Call editWN open()
Important Event Handlers		RETURN END MAIN
edit1TB :: focusin ()		Initializes the application by creating the editWin window. MAIN defines a variable in which to store a reference to the created window, creates the window, and then opens the window.
■ noneditCB :: focusin () ■ exitMI :: activate ()		In fact, the same actions could be performed without defining a variable as in the following example:
Court : activate ()		CALL (NEW editWin ()).open ()
copyMI:: activate ()		RETURN
		END MAIN The trick here is that we ank need a reference to the editiWin window to anality the call to onen ()
Extension Summery		Once the window is opened, the window can take care of itself. Thus, instead of capturing the reference generated by NEW in a variable, we use it instead to qualify the call to open ().
Important Extensions		/ Edit Window
editWin :: class extension		File Edit
editivin :: prehedder extension et editivin :: prebody extension		☐ CheckBox ☐ CheckBox
		More text to edit Start Editor
	964	Use the edit menu to cut and paste text from one textbox to the other. Use the button to start a text editor so you
LIO. JIM		can paste in the editor. Tab to the checkbox and button to see disabling of the menu items.

/ 900	ewEra by Example	File Edit Bookmark Options Help	mple edit1TB :: focusin()	Seditw.wif - in edit1TB handler for ixTextBox::focusIn event:	VARIABLE win editWin = getWindow ()	CALL win.setEditItemsEnabled(SELF)	LET editWin = getWindow ()	In the handler of the window, the members of the window are in scope. The members in scope include the graphical objects that you paint within the window.	You have to qualify a member with a reference to the window.	Each graphical object has the getWindow () member function, which conveniently returns a reference to the window. You can capture the reference in a local variable of the handler.	CALL win.setEditItemsEnabled(TRUE)	The example uses the reference to qualify the call to the setEditItemsEnabled()function. The call	passes the TROE parameter to enable the editing menu items while the user is in the text box.	Edit Window 564	File Edit	Text to edit	More text to edit Start Editor	Use the edit menu to cut and paste text from one textbox
	? NewEra by Example	Features of the Edit Menu Example	Overveiw of the Edit Menu Example	The MAIN () function	Graphical Object Summary	Event Handler Summary	Important Event Handlers	= edit1TB :: focusin () = edit2TB :: focusin ()	exitMl :: activate ()	■ cutMi :: activate () ■ copyMi :: activate ()	■ pasteMI :: activate ()	🕶 deleteMI ::activate ()	Extension Summery	Important Extensions	editWin :: class extension	editwin :: preneader extension editWin :: prebody extension		EIC ON

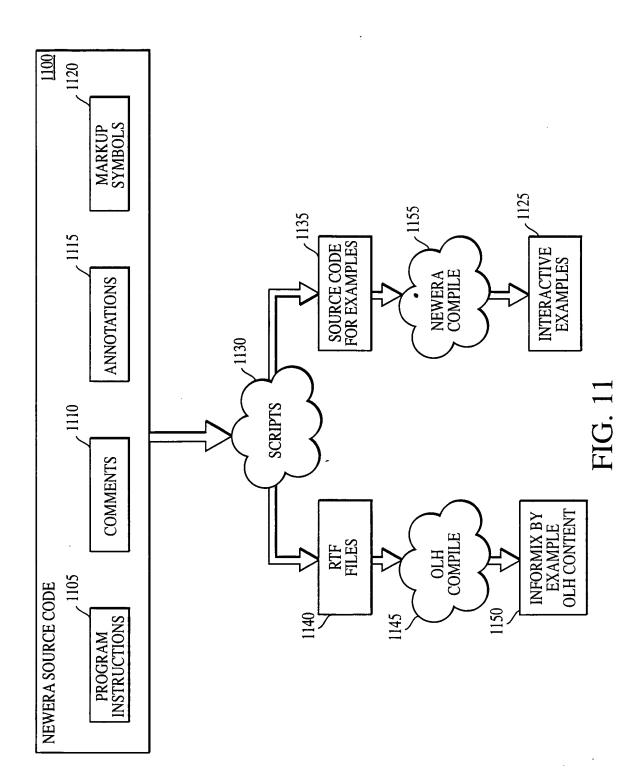
O New Era hy Example	×	♦ NewEra by Example
-		File Edit Bookmark Options Help
Features of the Edit Menu Example		Help Topics Back <- >> Run
Overveiw of the Edit Menu Example		
The MAIN () function		Seditw.wif - in edit2TB handler for ixTextBox::focusIn event:
Combined Object Summer		VARIABLE win editWindow ()
Event Handler Summary		CALL win.setEditItemsEnabled(SELF)
Important Event Handlers		Calls the setEditItemsEnabled () function to enable the editing menu items when the user enters
edit/TB :: focusin ()	• · · · · · · · · · · · · · · · · · · ·	the text box. See also the discussion of edit1TB::focusin()
euic Ib locusin ()		
= exitM :: activate () = cutM :: activate ()		
C copyMI :: activate ()		
■ pasteml :: activate () ■ deleteMl ::activate ()		-3
Extension Summery		
Important Extensions		Edit Window
editWin :: class extension		File Edit
■ editWin :: preheader extension ■ editWin :: prebody extension	<i>-</i>	Text to edit CheckBox 970
	7	More text to edit Start Editor
	/ 996	Use the edit menu to cut and paste text from one textbox to the other. Use the button to start a text editor so you
FIG. 90	896	can paste in the editor. Tab to the checkbox and button to see disabling of the menu items.

京京局部科学科学、10世上四三十二人

一、 いっぱっぱい おんない という

	[
] NewEra by Example ☐	NewEra by Example	
Features of the Edit Menu Example	Help Topics Back << >> Run	
Overveiw of the Edit Menu Example	()	
The MAIN () function	Seditw.wif - in noneditCB handler for ixCheckBox::focusIn event:	
Graphical Object Summary	VARIABLE win editWin = getWindow ()	
Event Handler Summary	CALL win.setEditItemsEnabled(SELF)	
Important Event Handlers		
 edit1TB :: focusin () edit2TB :: focusin () noneditCB :: focusin () exitMI :: activate () cutMI :: activate () posteMI :: activate () deleteMI :: activate () 	Works in the same way as the edit1TB::focusIn (), but passes the FALSE parameter to disable the editing menu items while the user is in the check box. Calls the setEditItemsEnabled () function to disable the editing menu items when the user enters the check box. The user cannot paste into a check box.	o disable Iser enters
Extension Summery		
Important Extensions	Edit Window	
editWin :: class extension	File Edit	
editWin :: prebody extension	Text to edit Start Editor	
FIG. 9P	nu to cut and paste to the button to start a editor. Tab to the che of the meni items	
	to acc disability of the fileful fellis.	

FIG. 10



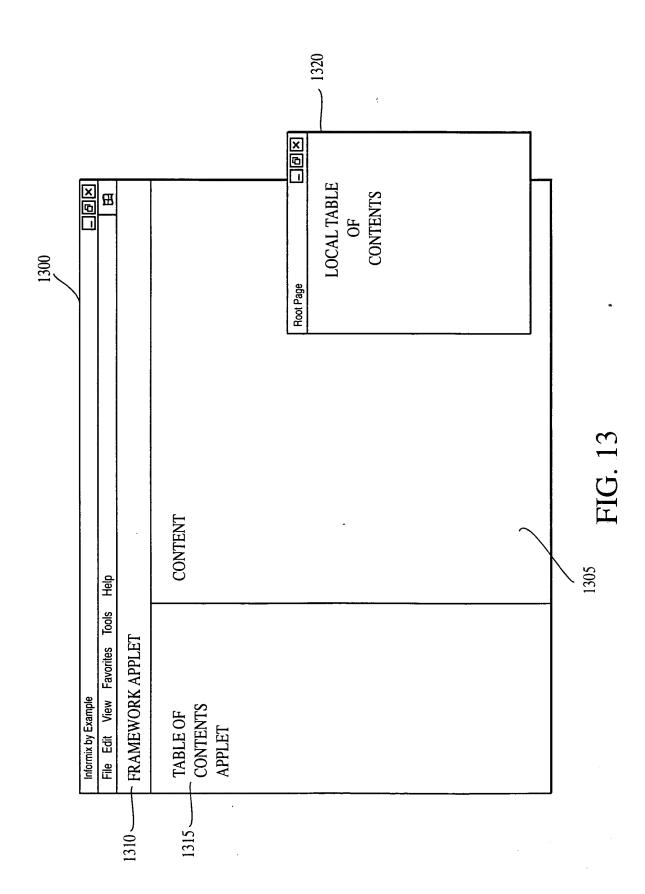
-1. -N

17/4

```
FUNCTION driveStockRpt( destType SMALLINT, destName CHAR(*) )
1200 RETURNING VOID
  ─{.normal
    Since objects, in particular ixRow objects, cannot be passed
    as arguments to the report formatter, rows of fetched data will
    be unpacked into a record that matches the data types and lengths
    of elements in the fetched rows.
    VARIABLE
         stockRec RECORD
               mn CHAR(15),
                               -- manufact.manu name
               sn SMALLINT,
                              -- stock.stock num
               sd CHAR(15),
                               -- stock.description
               sp MONEY(6,2), -- stock.unit_price
                               -- stock.unit
               su CHAR(4)
               END RECORD
         stockStmt ixSQLStmt,
         stmtString CHAR(*),
         stockRow ixRow,
         errorCode INTEGER,
         logFile ixErrorLog
   ~{.normal
    Use the implicit connection object to create an SQL statement
    object. The connection object must already be connected to a
    database.
    Checking the status of the prepare( ) call will confirm this.
1210 }

√{.[edit stmt}

    LET stockStmt =
    ixSQLConnect::getImplicitConnection().createStmtObject()
   /{.]file stmt}
 1215
```



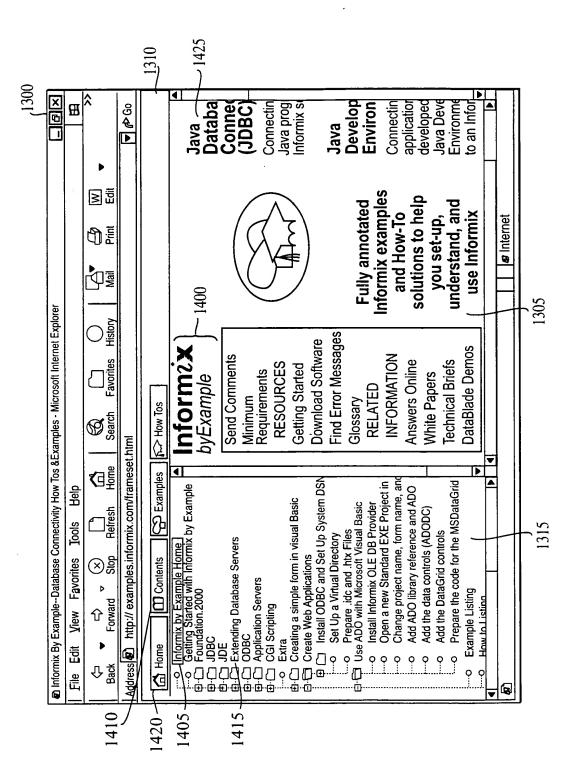


FIG. 14A

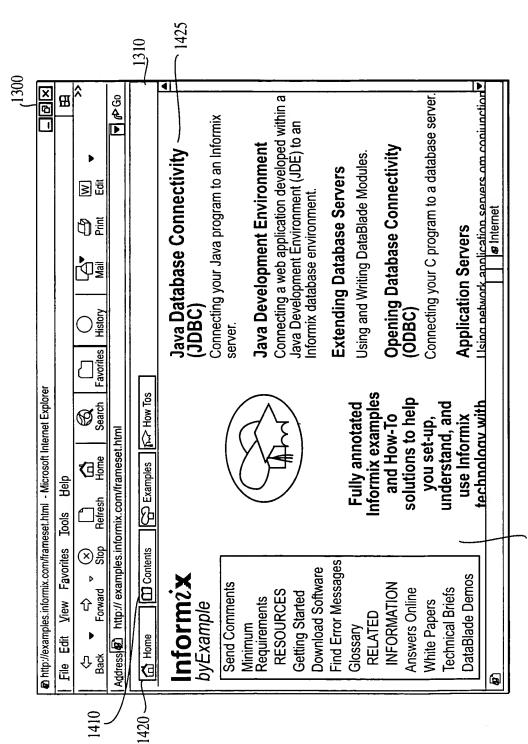


FIG. 14B

学出口に記録した。 ではのがれる話に

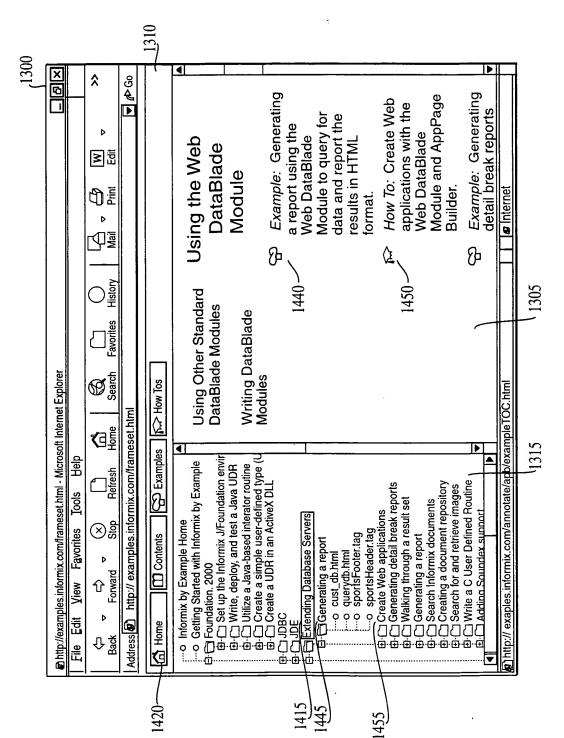


FIG. 14C

FIG. 14L

THE RESERVE TO BE STONE OF THE PERSON OF THE

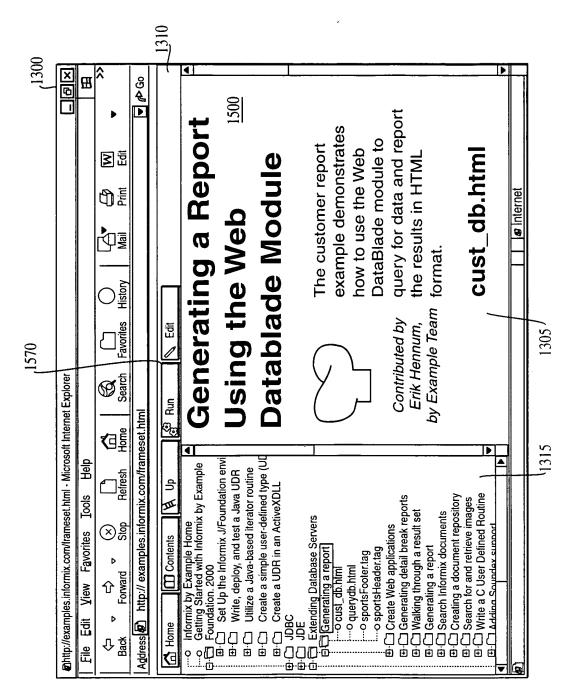


FIG. 15A

Generating a Report Using the Web Datablade Module



The customer report example demonstrates how to use the Web DataBlade module to query for data and report the results in HTML format. — 1505

Contributed by Erik Hennum, byExample Team

cust_db.html — 1510

1505

This app page accepts a query and generates an HTML report

1510

querydb.html—1510

1505

This HTML page contains a form that invokes an app page

sportsFooter.tag —1510

1505

The sportsFooter dynamic tag generates the footer for an app page.

sportsHeader.tag —1510

1505

The sportsHeader dynamic tag generates the header for an app page.

Click here to view or print all of the source files for this example.

FIG. 15B

THE HENNING

مبر. مبر

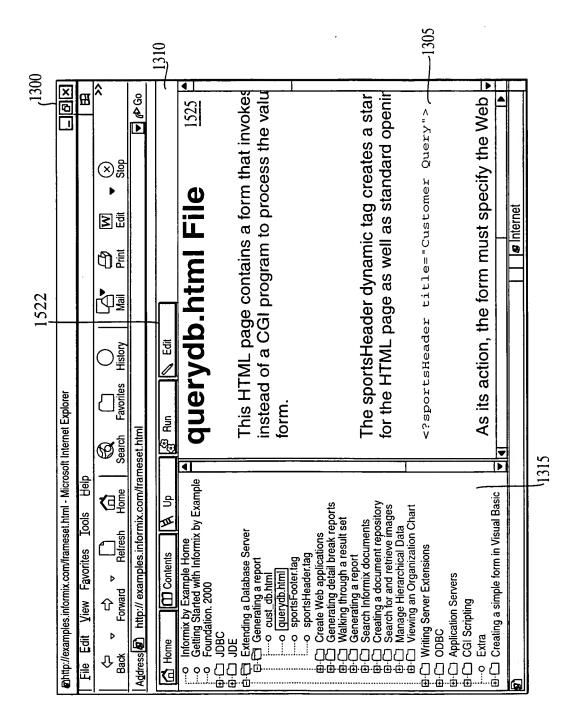


FIG. 15C

<u>1525</u>

querydb.html File

This HTML page contains a form that invokes an app page instead of a CGI program to process the values in the form.

1535

The sportsHeader dynamic tag creates a standard header for the HTML page as well as standard opening text.

As its action, the form must specify the Web Driver utility.

To specify the app page, the form must use a hidden input component. The input component must have a name of **Mlval** and a value that's the name of the app page. The input component below specifies the <u>cust_db.html</u> app page.

```
<INPUT TYPE="HIDDEN" NAME="MIval" VALUE="/examples/CustRpt/cust_db.html">
Optional state:
<INPUT TYPE="TEXT" NAME="SelectState" SIZE="3" MAXLENGTH="2">
<INPUT TYPE="SUBMIT" NAME="SUBMIT" VALUE="SUBMIT">
</FORM>
</P>
```

FIG. 15D

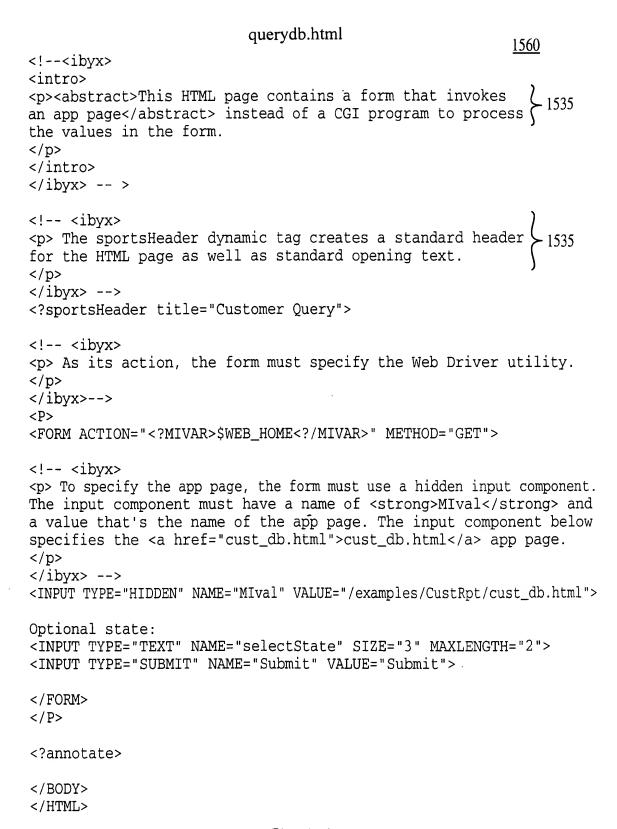


FIG. 15E

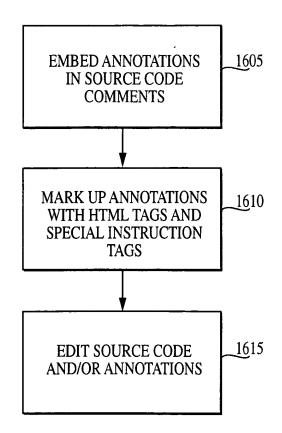


FIG. 16A

<u>1620</u>

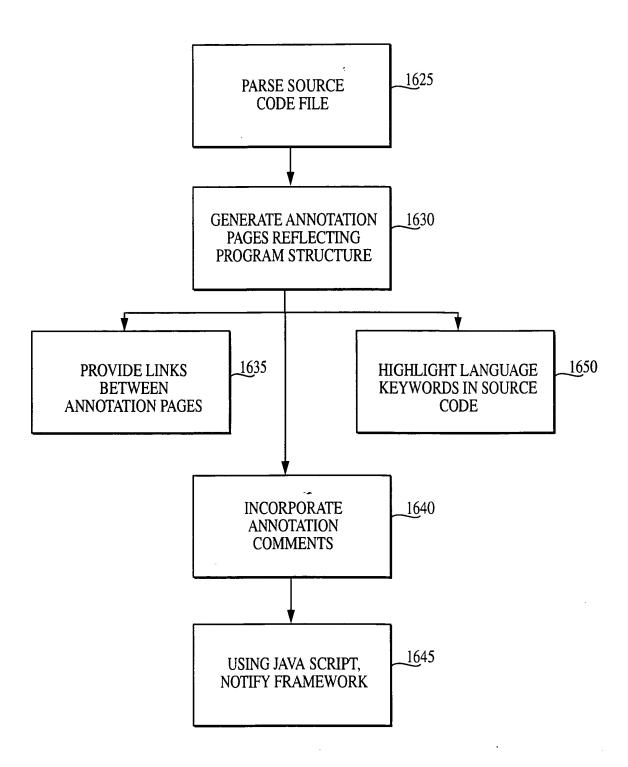


FIG. 16B

<u>1655</u>

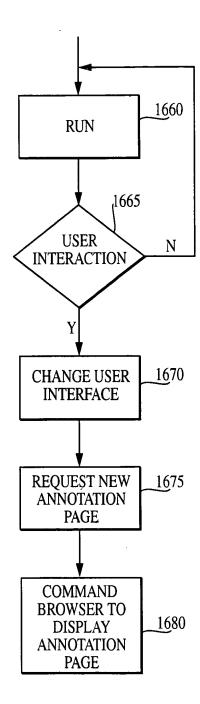


FIG. 16C

×	Œ	^	٥	1	41	Ψ		. 1	ជ		Ψ	-		Ψ		D	\blacksquare
-	B		05 ₽		a	tes th	ry HT	adei.	3.2//		SNT="t		ag ca	ilddns			
		⊗so gots			Ē	enera	at eve	ב ב ה	HTML		CONTE		amic t	s not s		1	
		W Edit			ag	tag g	res th	stariue	"-//W3C//DTD HTML 3.2//E		Type"		is dyna	title is	ult title		nternet
		Pint			er.1	namic	g ensu	a a a	m / / m		Content		ses thi	. If the	a defai		8
		Maij			sportsHeader.tag File	The sportsHeader dynamic tag generates the	an app page. This tag ensures that every HI	Willer II is used will liave a starioard lieader.	PUBLIC								

FIG. 17A

(#**17**0)

FIG. 17B

- 一下口口口口口 10人の人が特別が第三

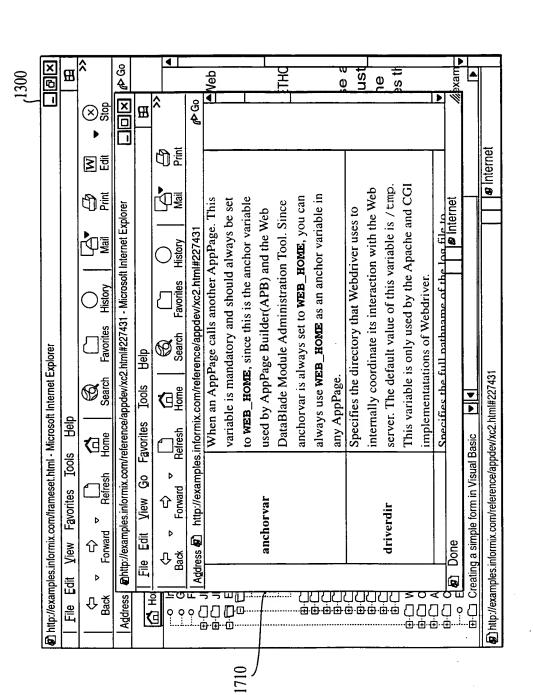


FIG. 17C

FIG. 17D

PANAMAN MILITARY

FIG. 18A

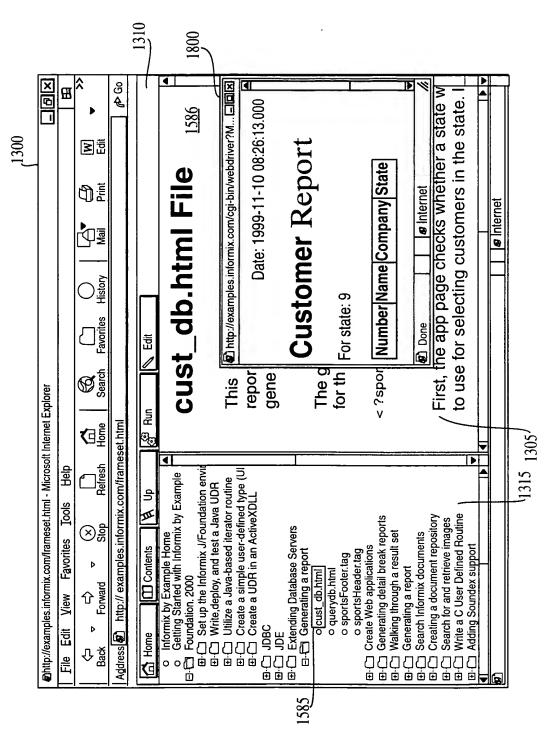


FIG. 18B

بدلأ

```
<! - - <ibyx>
      <intro>
       <abstract>This app page accepts a query and generates an HTML
      report</abstract > in response.
      The app page uses dynamic tags to generate the header and footer for the
1810⊀
      HTML report.
      </intro>
       </ibyx> - - >
       <! - - <ibyx>
       The sportsHeader dynamic tag creates a standard header
       for the HTML page as well as standard opening text.
       <q\>
       </ibyx> - ->
       <?sportsHeader title="Customer Report">
       <! - - <ibyx>
        First, the app page checks whether a state was specified to use for
       selecting customers in the state. If so, the block generates a
       paragraph to identify the state.
       <q\>
       </ibyx> - - >
       <?MIVAR NAME=$WHERE_STR><?/MIVAR>
       <?MIBLOCK COND="$(AND,$(XST,$selectState) , $ (<,0,$ (STRLEN, $selectState)))">
               <?MIVAR NAME= $WHERE_STR>WHERE state= " $selectState"<?/MIVAR>
               <?MIVAR><P>For state: $selectState<?/MIVAR>
       <?/MIBLOCK>
       <! - - <ibvx>
       Next, the app page starts the table that will contain the data.
       </ibyx> - ->
               <P><TABLE BORDER="1">
                       <TR>
                       <TH>Number</TH><TH>Name</TH><TH>Company</TH><TH>State</TH>
                       </TR>
       <! - - <ibyx>
        The MISQL block queries for customers, optionally selecting only customers
       from the specified state. Because the contents of the block are generated
       for every row of data, a new table row describes each customer.
       The &amp ;nbsp; HTML entity is a non-breaking space. By putting a non-breaking
       space in each column, we force the Web Browser to display the column even
       if the value is null.
       </ibyx> - ->
       <?MISQL SQL= "SELECT customer_num, fname, lname, company, state FROM customer $WHERE_STR; ">
                       <TD> $1&nbsp: </TD>$2&nbsp: $3</TD>$4&NbSP:</TD>$5&nbsp:</TD>
       <?/MISQL>
               </TABLE></P>
       <! - - <ibyx>
        The sportsFooter dynamic tag creates a standard footer
       for the HTML page.
       </ibyx> - ->
```

<?sportsFooter>

M A SEAL WAS

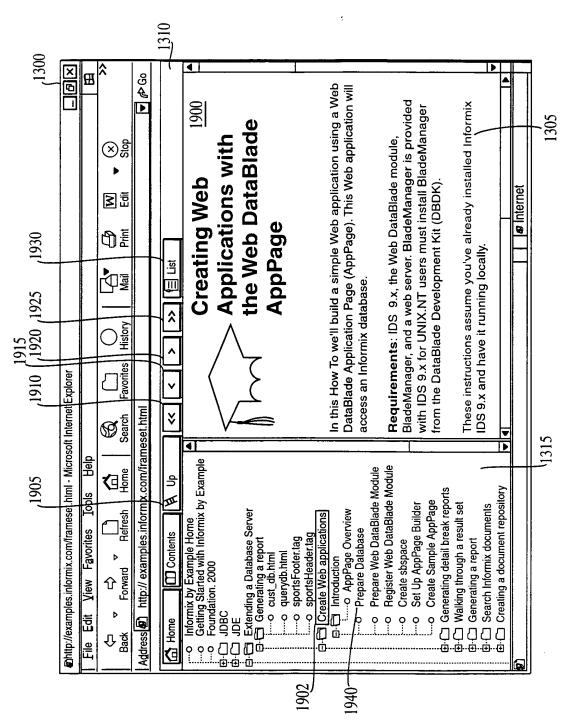


FIG. 19A



Creating Web Applications with the Web DataBlade AppPage

1930

In this How To we'll build a simple Web application using Web DataBlade Application Page (AppPage). This Web application will access an Informix database.

Requirements: IDS 9.x, the Web DataBlade module, BladeManager, and a web server. BladeManager is provided with IDS 9.x for UNIX. NT users must install BladeManager from the DataBlade Development Kit (DBDK)

These instructions assume you've already installed Informix IDS 9.x and have it running locally.

1935 Define a server connection and prepare a sample database. Define a server connection with setnet32 (NT). Create a sample database Prepare Database. or use the stores7 demo database. Prepare Web Prepare the Web DataBlade development environment. DataBlade 2. Development Install the Web DataBlade module and BladeManager. Environment. Register the Web DataBlade module in the demo database with Register the Web DataBlade. BladeManager. Create Smart Blob Create a sbspace for smart large objects, like gifs. Space (sbspace). Install AppPage Builder in Your 5. Install AppPage Builder in your database. Database. Setup AppPage Builder on Your 6. Setup AppPage Builder on your web server. Web Server. Create Sample 7. Create a sample AppPage. AppPage. Run the sample application.

8. Enter the URL http:// your_server/scripts/webdriver.exe.

This How To has been compiled into two separate files for ease of printing. The basic file contains all of the steps you need to Create Web Applications with AppPage Builder. The secondary file contains additional detailed instructions for setting and testing database environment properties.

FIG. 19B

ا بر

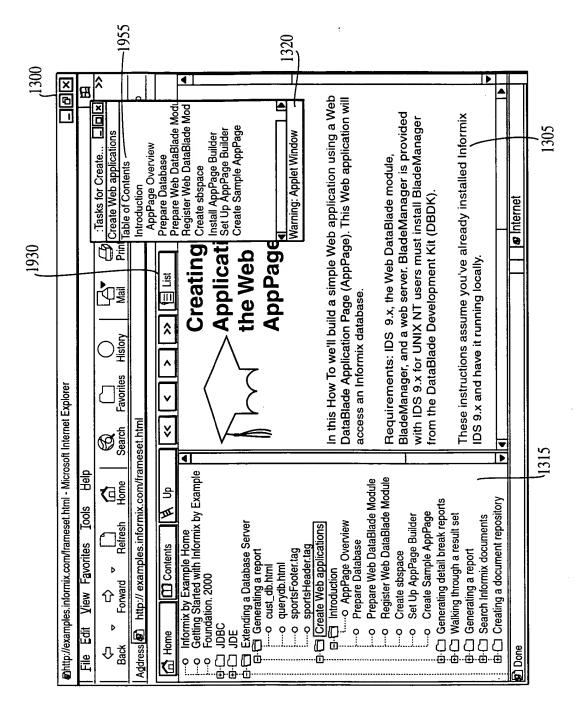


FIG. 19C

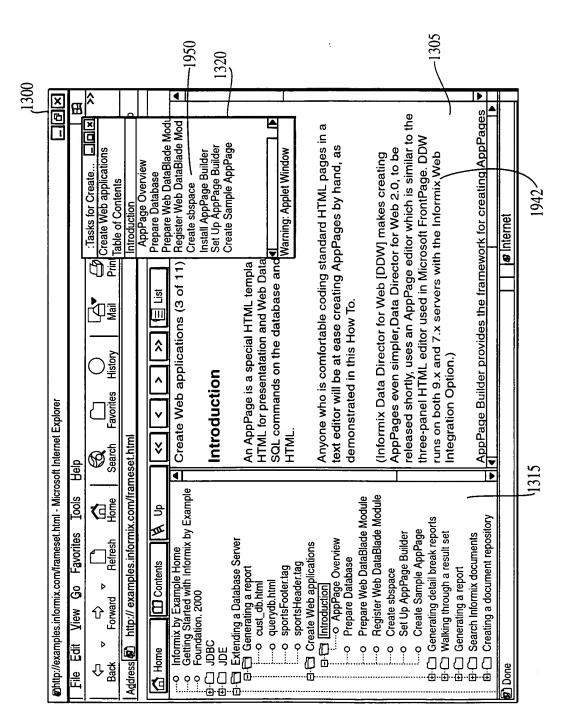


FIG. 19D

FIG. 19E

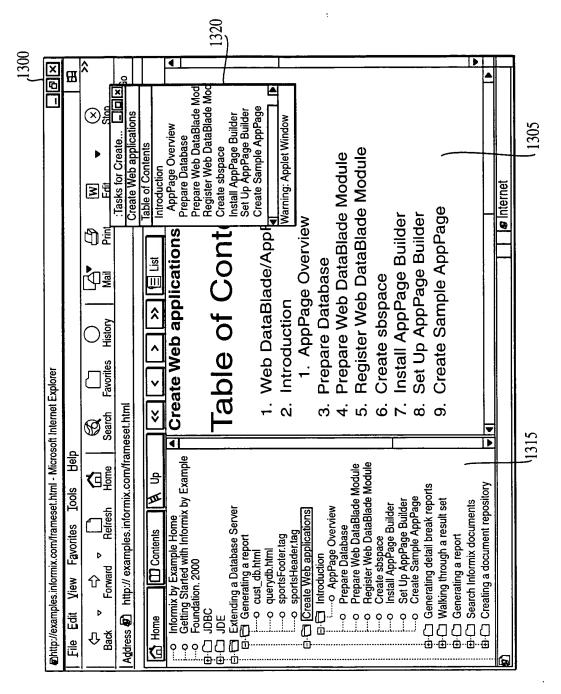


FIG. 19F

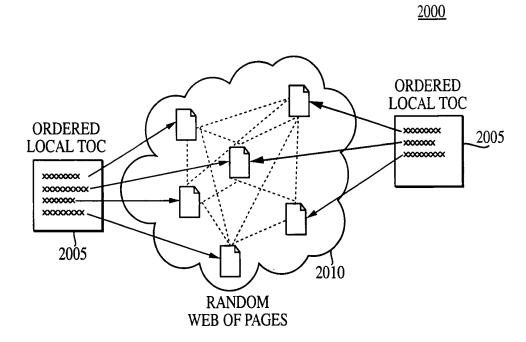


FIG. 20